

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1 1. (Currently Amended) A computer diagnostic system, comprising:
2 a computer with a communication port;
3 an I/O system that enables communication via the communication port during power up
4 self test (POST) of the computer; and
5 a handheld device with a communication port configured to ~~communicate~~ perform
6 infrared communications with the computer via the computer communication port, the handheld
7 device interfacing with the computer during POST.
- 1 2. (Original) The computer diagnostic system of claim 1, the I/O system comprising:
2 a system ROM including I/O code to enable communications with the handheld device
3 when executed; and
4 a processor that executes the I/O code during POST upon power up of the computer.
- 1 3. (Original) The computer diagnostic system of claim 2, the I/O code enabling the
2 handheld device to emulate at least one I/O device.
- 1 4. (Original) The computer diagnostic system of claim 3, the at least one I/O device
2 including any one or more of a keyboard, a mouse, a disk drive and a monitor.
- 1 5. (Cancelled)
- 1 6. (Original) The computer diagnostic system of claim 1, further comprising:
2 the computer communication port comprising an infrared transceiver;
3 the handheld communication port comprising an infrared transceiver;
4 an I/O bus;
5 a microcontroller coupled to the I/O bus and the computer infrared transceiver; and
6 a memory coupled to the microcontroller.

1 7. (Original) The computer diagnostic system of claim 6, further comprising:
2 the microcontroller, the computer infrared transceiver and the memory receiving
3 auxiliary power that provides power when the computer is powered down; and
4 the handheld device retrieving information from the memory while the computer is
5 powered down.

1 8. (Currently Amended) A system comprising:
2 a storage to store code for performing power up initialization of the system;
3 an interface to communicate with a ~~handheld computing~~ personal digital assistant (PDA)
4 device; and
5 a processor, the code executable on the processor to communicate with the ~~handheld~~
6 ~~computing device~~ (PDA) device through the interface during power up initialization of the
7 system,
8 wherein the code is executable by the processor to receive commands from the PDA
9 device during power up initialization of the system.

1 9. (Currently Amended) The system of claim 8, wherein the code is executable by the
2 processor to enable the system to send commands to the ~~handheld computing~~ (PDA) device and
3 ~~to receive commands from the handheld computing device~~ through the interface during power up
4 initialization of the system.

1 10. (Currently Amended) The system of claim 9, wherein the code is executable by the
2 processor to send commands to the ~~handheld computing~~ (PDA) device to perform at least one of
3 storing data and displaying information on the ~~handheld computing~~ (PDA) device during power
4 up initialization of the system.

1 11. (Original) The system of claim 8, further comprising a disk drive and a video device,
2 wherein the code is executable by the processor to initialize operations of the disk drive and the
3 video drive.

1 12. (Cancelled)

1 13. (Currently Amended) The system of claim 8, wherein the code is executable by the
2 processor to enable performance of at least one of the following functions by the ~~handheld~~
3 ~~computing (PDA)~~ device during power up initialization of the system: keyboard functions,
4 mouse functions, video functions, and disk drive functions.

1 14. (Currently Amended) The system of claim 13, wherein the code is executable by the
2 processor to output data through the interface to the ~~handheld-computing (PDA)~~ device for
3 display by the ~~handheld-computing (PDA)~~ device during power up initialization of the system.

1 15. (Currently Amended) The system of claim 8, wherein the code is executable by the
2 processor to enable the ~~handheld-computing (PDA)~~ device to emulate input/output functions of
3 the system during power up initialization of the system.

1 16. (Currently Amended) The system of claim 8, wherein the code is executable by the
2 processor to receive diagnostic commands through the interface from the ~~handheld-computing~~
3 ~~(PDA)~~ device to perform diagnostics of the system during power up initialization of the system.

1 17. (Currently Amended) The system of claim 8, wherein the code comprises BIOS code,
2 and wherein the code is executable to enable the ~~handheld-computing (PDA)~~ device to update the
3 BIOS code during power up initialization of the system.

1 18. (Original) The system of claim 17, wherein the storage comprises system memory, the
2 system further comprising non-volatile memory to store the BIOS code, the BIOS code to be
3 loaded from the non-volatile memory to system memory for execution by the processor.

1 19. (Currently Amended) The system of claim 18, wherein the BIOS code in the non-volatile
2 memory is updated by the ~~handheld-computing (PDA)~~ device.

1 20. (Currently Amended) A handheld device comprising:
2 a processor; and
3 an interface to ~~communicate~~ perform infrared communications with a computer having
4 code to perform power up initialization of the computer,
5 the processor to interact with the code in the computer to perform tasks in the computer
6 during power up initialization of the computer,
7 the processor to emulate at least one of the following functions during power up
8 initialization of the computer: mouse functions, keyboard functions, and storage functions.

1 21. – 22. (Cancelled)

1 23. (Currently Amended) A method executable in a system, comprising:
2 storing code to perform power up initialization of the system; [[and]]
3 executing the code to ~~communicate~~ perform infrared communications with a handheld
4 computing device through an interface of the system during power up initialization of the
5 system; and
6 receiving commands from the handheld computer device during power up initialization
7 of the system.

1 24. (Cancelled)

1 25. (Original) The method of claim 23, further comprising enabling performance of at least
2 one of the following functions by the handheld computing device during power up initialization
3 of the system: keyboard functions, mouse functions, video functions, and disk drive functions.

1 26. (Original) The method of claim 23, further comprising enabling the handheld computing
2 device to emulate input/output functions of the system during power up initialization of the
3 system.

- 1 27. (Original) The method of claim 23, further comprising receiving diagnostic commands
2 through the interface from the handheld computing device to perform diagnostics of the system
3 during power up initialization of the system.
- 1 28. (Original) The method of claim 23, further comprising updating the code under command
2 of the handheld computing device.
- 1 29. (Original) The method of claim 28, wherein updating the code under command of the
2 handheld computing device comprises updating BIOS code under command of the handheld
3 computing device.
- 1 30. (Original) The method of claim 23, further comprising sending information to the
2 handheld computing device through the interface for display by the handheld computing device
3 during power up initialization of the system.
- 1 31. (New) The system of claim 8, the interface to perform infrared communications with the
2 PDA device.
- 1 32. (New) The system of claim 8, wherein the interface comprises an infrared transceiver to
2 communicate wirelessly with the PDA device.
- 1 33. (New) The handheld device of claim 20, comprising a personal digital assistant (PDA)
2 device.
- 1 34. (New) The handheld device of claim 20, wherein the interface comprises an infrared
2 transceiver to communicate with the computer.
- 1 35. (New) The method of claim 23, wherein the infrared communications are performed
2 with an infrared transceiver.